



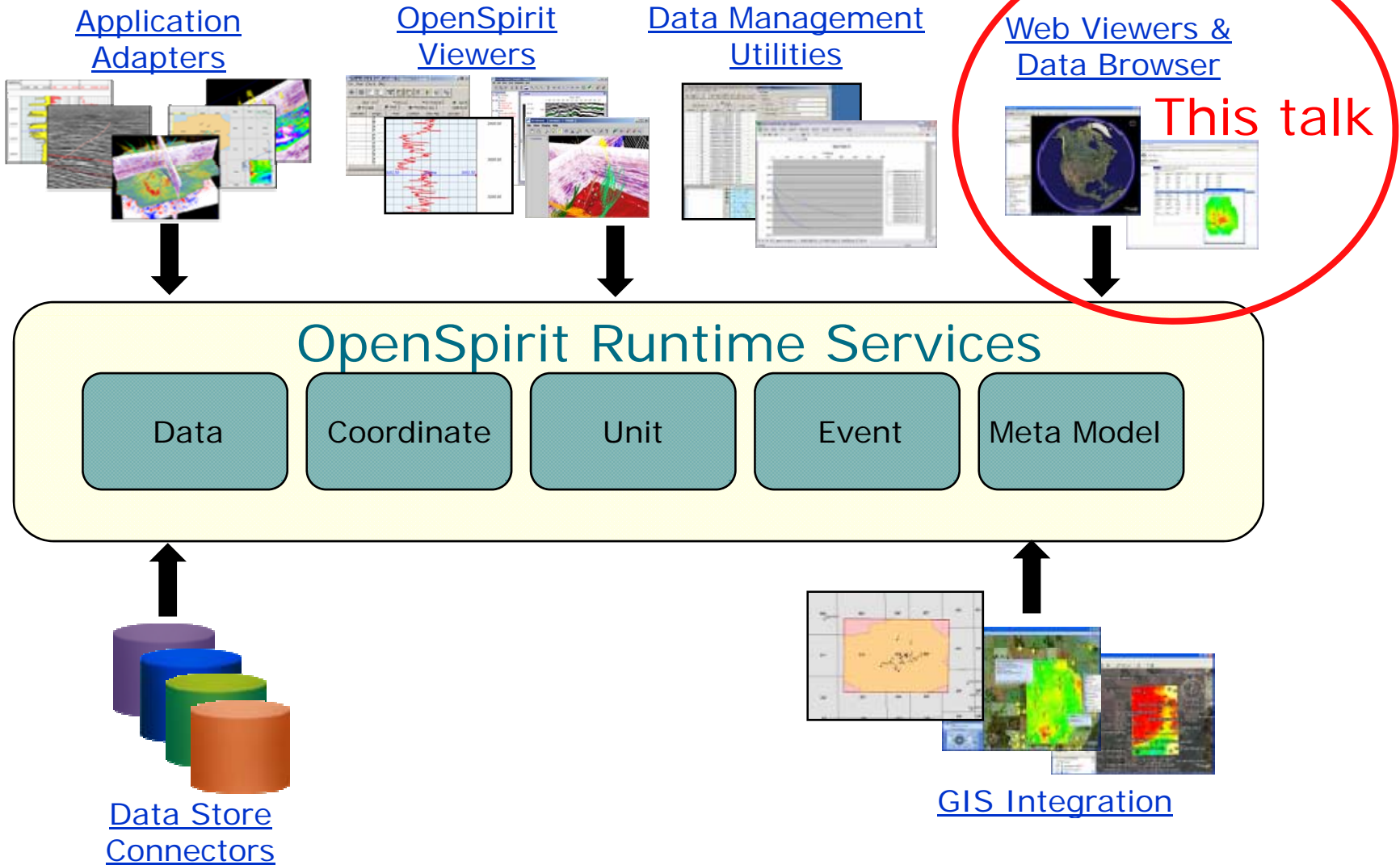
Infinite Integration

OpenSpirit Services for Your Web Environment

January 2009 Webcast
Clay Harter
CTO

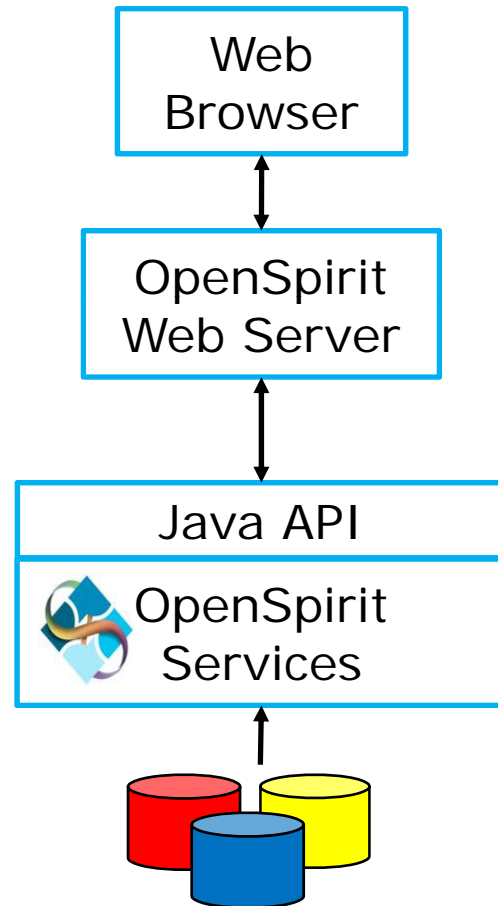


OpenSpirit Integration



- Use shrink wrapped OpenSpirit Web Server and client (OpenSpirit Web Server 2008 released in Dec. 2008)
- Use OpenSpirit Web Server services with your own web client
- Build your own web services – J2EE or ASP.NET

Use OpenSpirit Web Server - As Is

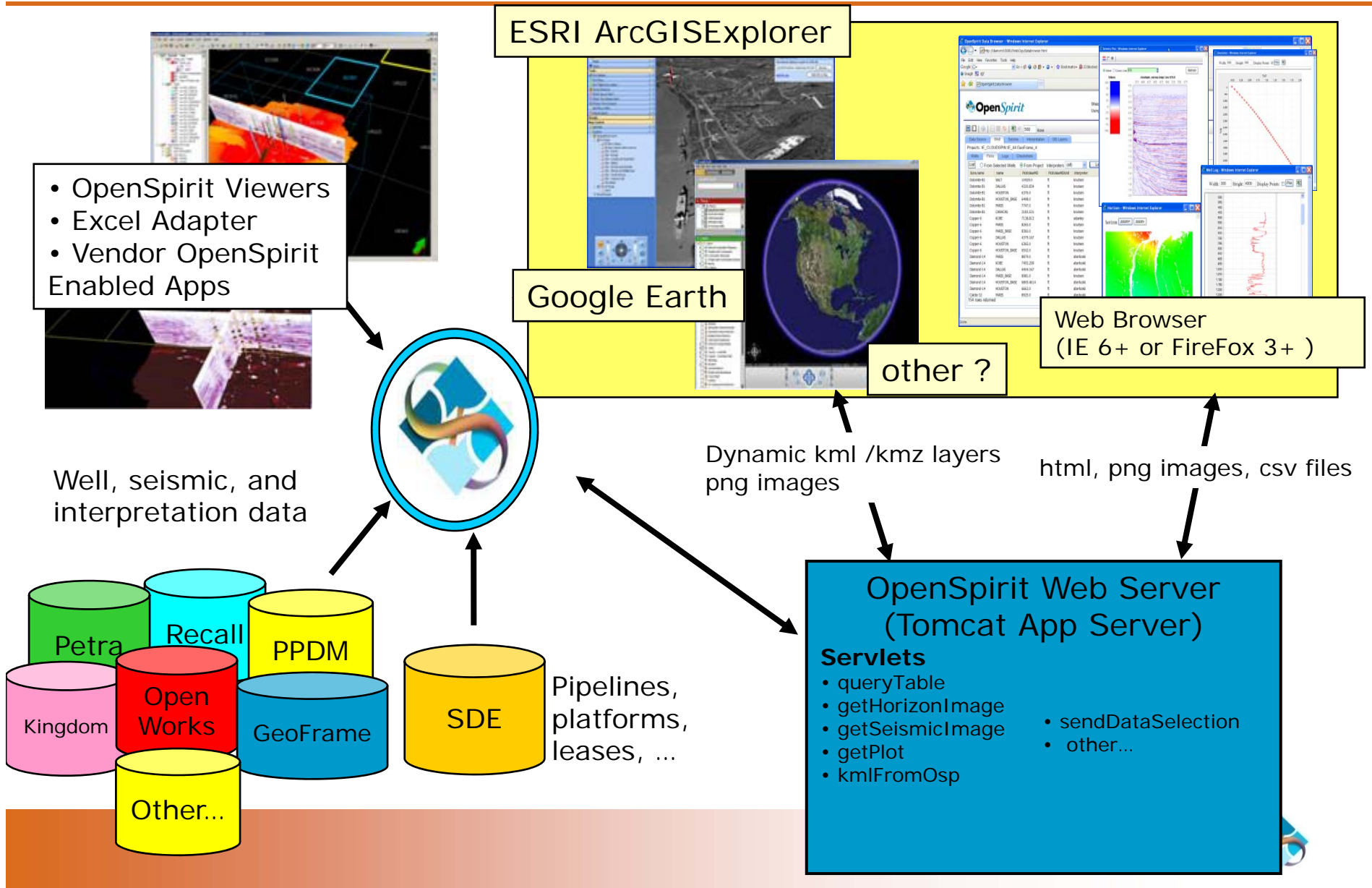


Browse and select well, seismic, interpretation, and culture data :

- Table view
- Excel export
- Graphical plots
- In Google Earth

Send Data Selection Events

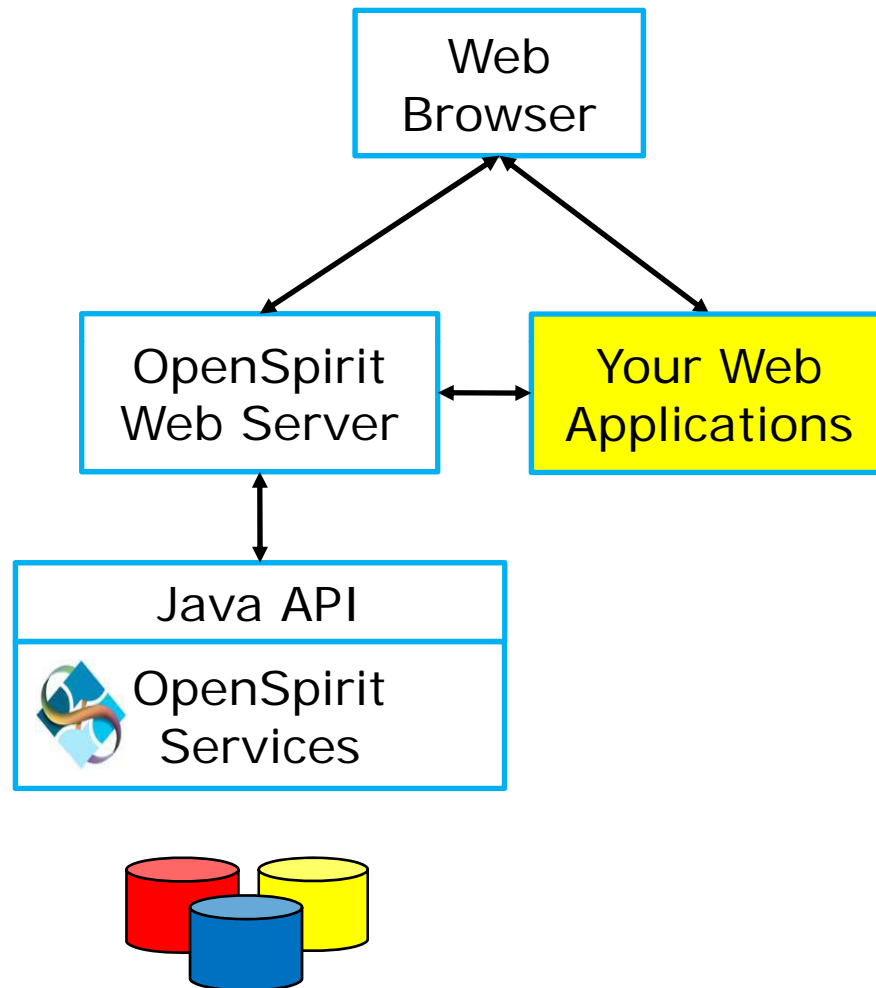
OpenSpirit Web Server



OpenSpirit in Action



Use OSP Web Services with Custom Web Application



Leverage OpenSpirit REST style web services to get well, seismic, interpretation, and culture data into your application.

Access:

- JSON objects
- csv files
- html reports
- png images

Send Data Selection Events

Examples of using REST Web Services



- List available projects

<http://wren:8080/WebOsp/servlet/ProjectTreeJson>

- List well header info for a given project

http://wren:8080/WebOsp/servlet/TableQueryJson?projectIdsString=TEAPOTDOME_SMALL:ow_Onshore:OpenWorks_R5000&attributesString=name,identifier,totaldepth&tableName=EpiWell_WellBore

Examples of using REST Web Services-2



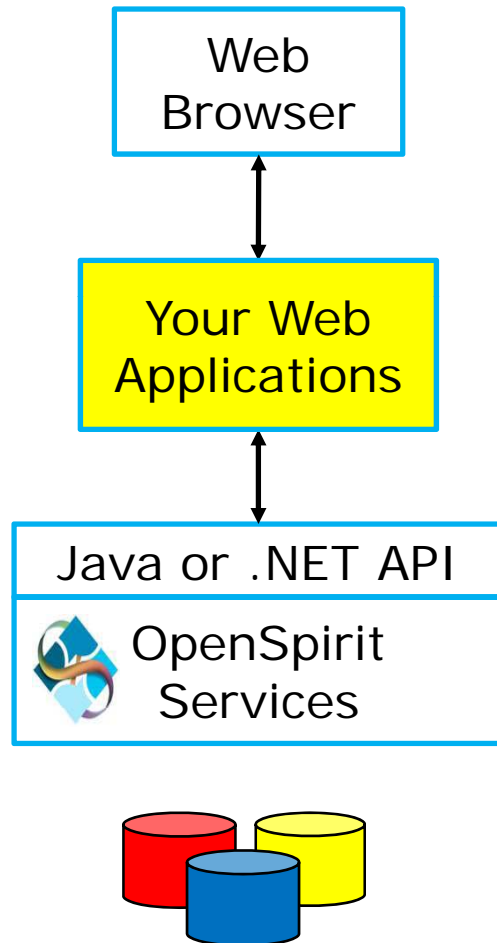
- Get time-depth values into Excel

http://wren:8080/WebOsp/servlet/TableQueryJson?projects=TeapotSmall:::Ow_Onshore:::ow&attributes=name,identfier,totaldepth,well.currentoperator&table=EpiWell_WellVelocity

- Plot seismic sections

http://wren:8080/WebOsp/servlet/PlotServlet?dataKeys=%3Ckey%20en%3D%22EpiSeismic_PostStack3d%22%20mv%3D%222.9%22%20dn%3D%22ow_Onshore%22%20tn%3D%22OpenWorks%22%20tv%3D%22R5000%22%20pn%3D%22TEAPO TDOME_SMALL%22%3E%3Cse%20n%3D%22gdiSeismicDataSet_t%22%20id%3D%221%22/%3E%3Ca%20n%3D%22seismic_data_set_id%22%20ei%3D%221%22%3E4%3C/a%3E%3C/key%3E

Use OSP Services in Your Own Web Service Tier



Leverage OpenSpirit Data, Event, Metamodel, Carto, and Unit services in your own J2EE or ASP.NET web application.

Interact with OpenSpirit enabled desktop applications.

OpenSpirit in Action



Conclusion

OpenSpirit may be readily used in a Web environment

- Use OpenSpirit web server by itself as a simple tool for browsing data
 - or-
- Use the REST web services to easily integrate in your own web application
 - or-
- Use the OpenSpirit Java or .NET dev kit in your own web application

Thank you!



Clay Harter, Chief Technology Officer

+1 281 295 1407

clay.harter@openspirit.com